

P7 – Creating a Tableau Story

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Tableau Links

Initial -

https://public.tableau.com/views/P7TitanicStoryinitial/CountBasedonPclass?:embed=y&:display_count=yes

Final -

https://public.tableau.com/shared/WGMC5ZM4N?:display_count=yes

Summary:

Based on the data provided by Udacity through its Data Analyst Nanodegree Program, this report will summarize and illustrate charts of the Titanic data using Tableau, which contains demographics and passenger information from 891 out of 2224 passengers and crew on board. For this visualization, I plan to analyze and visualize the differences between the variables age, passenger class and sex in terms of how they relate to one another.

Design:

1. To start, I wanted to show multiple visual plots of the variables within the titanic dataset that focused on distributions such as age, passenger class, sex, and survival.
2. I decided to create multiple groups for the variable age to give more specification about the different types of people on the titanic: Toddler (0- 12 months), Baby (1 – 3 years) , Child (4 – 11 years) , Teen (12 – 18 years) , Young Adult (18- 21 years) , and Adult (22 and above).
3. Next, I decided to show the differences between these 4 variables by grouping them together during plotting the visualizations: Age and Passenger Class, Survival and Passenger class, Survival and Sex, and Sex and Passenger Class.
4. Next, I decided to group more than two variables within my visualizations. I knew that passenger class and sex were strong variables that told a story about the data, but I wanted to go deeper. I wanted to have a clear picture of who survived based on their sex,

age group and passenger class to understand as much detail as I can about types of people who either survived or died.

Feedback:

I decided to choose and receive feedback from someone through the live help Udacity offers to its students and it was very helpful. My feedback:

Suggestion 1

- For Class based on Sex, a stacked bar chart may be better. I know we have lots of bar charts here, so maybe you want to change chart types for other ones as well. One quick way is to try the Show Me feature in tableau.

Implementation 1

I decided to use a stacked bar chart for Class based on sex. The live helper was actually right. For this specific sheet, a stacked bar chart looks absolutely better.

Suggestion 2

- Adjust chart size so that it fits in one screen? It's painful to scroll down.

Implementation 2

I noticed that my graphs for each sheet were very big, so I decided to change the size of each graph dramatically so it will be beneficial for my viewers.

Suggestion 3

- There are a couple tables, consider removing those since we're using visualization to tell the story.

Implementation 3

I only used appropriate tables for my dashboard at the end of the Tableau Project.

Resources:

N/A